

TITLE Team meeting 1-17

PROJECT

Continued from page

- Brake stroke but constant

- way not of track — !!

- Throttle is binary we can show in Gt
but not in Gt

- Justify head design an. emissions
and fuel usage

- Need torque curve for gas engine

- Need to know acceleration through a corner before

How many Gs

Telemetry data

Changes in engine

Brake stroke but constant

Paper suggestions from Dr Odon

- Exhaust intake
valve

Goal Brake stroke but constant

Load factor — Throttle factor?

Logical workflow !!

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17/17
PROPRIETARY INFORMATION

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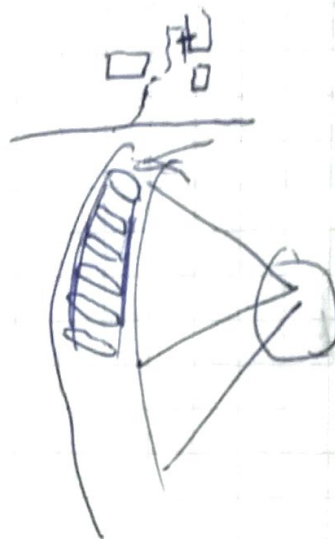
- Red down test - need laptop mount for XR

- test in multiple gears

- ADY Borum

- use Yamaha reluctance sensor
on Brake rotor

- Need by end of 3d week Feb



- Tomorrow

- Predict chug in BEFC Plot by chug in design time
Need

- 1.45G corner speed for bike - Yamaha RG

- Detailed design review for 426

- modelling - specific parts of attack

Last year Peak torque $\approx 10K$ RPM for moto3
we will getting really rotary inertia

- Ram air intake - on Honda

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1/24

PROPRIETARY INFORMATION

TITLE

1-24 Team meeting

PROJECT

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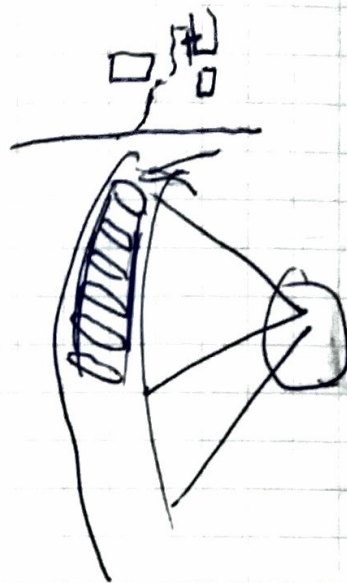
- Red down test - need labrot mount for xR

- test in multiple gears

- ADY borum

- use variable reluctance sensor
on Brake rotor

- Need by end of 3d week feb



- Tomorrow

Need Predict chug in BEEC Plot by chug in design point

- 1.456 coming speed for bike - Yamaha RG

- Detailed design review for 426

- model off - specific parts of attack

Last year peak torque $\approx 10K$ RPM for mato3

We will getting really rotary inertia

- Ram air intake - on honda

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1/24

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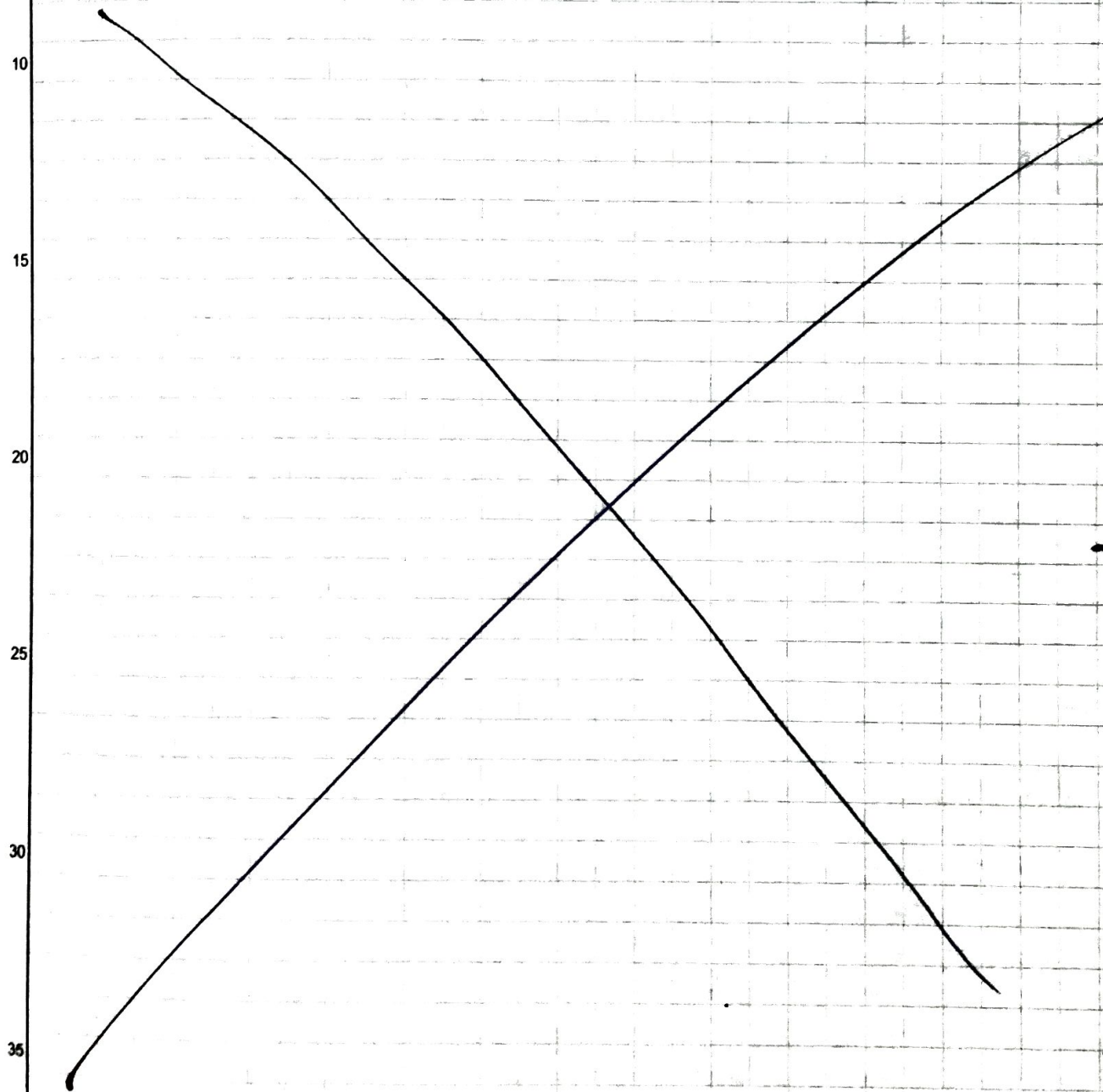
PROPRIETARY INFORMATION

TITLE *Mealy Notes*

PROJECT

Continued from page

Need to find 40-80 lb Profile
for canshaft
look up mc 1. lb Profile



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DATE

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4/31/17

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PROPRIETARY INFORMATION

TITLE *Team meeting*

PROJECT

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- Skipped Jerk response will be most significant
- Not much gain up to a linear response
- Low speed can have more deceleration
- o can we use a better valve on output
 - within 5-10%?



- after upload or reprogrammed
- But control can
- Burn - back finger
- Dylon can in GT series
- David made bracket

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8/14/17

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PROPRIETARY INFORMATION

TITLE

Team meeting

PROJECT

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- Create slides for sen
- can we calculate lap times + Fuel usage
- 325 Made dinner and expense
- Arise 30 min for class
- Arise April 1st
- Made coffee dinner carfare for expense
- Slide in
 - how we optimized run times
- Can we put Donator into TK to confess the table
- How could we get a faster rate for value for CT

Thursday - after 10:30

for surgeon 1g accel
1g Braky
3g Banker

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2/21/17

PROPRIETARY INFORMATION

TITLE

Learn meff

PROJECT

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Expo 2016

- must register

- capstone student

- Form to register for expo

- also article in Wiki

- will be 500 K-16 show

- 50 judges

- Free lunch during Expo

must register before study break

→ Poster tentative about an expo site

Apr. 28 - set up is night before will be open
Thursday 3:30 PM to set up

→ Snapshot Next week

Expo Technical presentation

- at expo - not at expo

Schedule with team members

- Detailed design review? how we do it

Registration due by March 10

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3-7-17

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PROPRIETARY INFORMATION

TITLE

Team notes Continued

PROJECT

Continued from page

- A. bar value - can be decoupled from system
- Throttle valve dia - realize engine vs HP
- Intake duct - rest of being shaft Ducts Intake duct length
- low main duct for throttle Duct
- low restriction duct - remove length very short
- Converge length

- joints

- all of what they want is a hard on valve opening

From cockpit

- meeting with
Jamez
4:30 Monday

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3-7-17

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TITLE

Team meeting

PROJECT

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- Have been a ghost (D. Blum never to have more common from reports)

Needed - Studies on whether
- Pick a Vanke and someone
- work on him for the time of

- Libt multiplier - is going in
not left!

- Can use it as someone VT Design
of the air of the air

- Dragon multiplier - will give us design
of the vehicle for the air of the

Obtain

- ~~add~~

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3-28-17

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PROPRIETARY INFORMATION

TITLE

Jan meeting - Slide laptop

PROJECT

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- Get with James on data for Paper
- Format?

- order of outputs has led to final output

- Summary - Findings - Feature - Feature
flow chart

- Intro

- methodology

- Results - design samples are picked

Track Based optimization

Variable changed due to track one bull counter etc

Roll down - what was incorporated into model

A way to look for roll down

SAE started for flat Roll-down

o Track based Mtn

o Edge

VT
exhaust
in

Int

Exhaust

Head

- Flow chart process design
- Final model feedback
Head - value - Input exhaust
Track program

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DATE

4-11-17

PROPRIETARY INFORMATION

TITLE

Gen mfg ctd

PROJECT

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Classroom - colors / column

Table? - Printing / ready reader

Ease selection - Printing
- ready

work from outline of part / Graphics

methodology - 3 slide

software
- madison 2
- excell-TK

Roll down - engine reading - Pick
slide to describe

- Chart for methodology

Picture - explain of Forward looker
- compare to real world value
- engine run when shift points

→ relay vs Pattern / track in the hand
when come across

Results

Good results of

- nox test
- lap fuel
- lap time
max / min torque
cost

Design Points for Part

Optimize if you want -

outline - Airflow
Fuel consumption
Volume change
Design flattened out
table - Design Pick

103 2000, 1000
3 best points graph

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4/11/17

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PROPRIETARY INFORMATION

TITLE

Lean rusty ctd

PROJECT

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Example apply joyful curve
full camera

copy Dan and
Dr. Beifman on
Email list

Lap time

Conclude - future studies

Parallel coordinate - used for...

without track program

I reiterate state - Do not address

- Project margin part of view

- narrow design scope

- we made better layout

result pool / methodology

compose of each slide

Take of design

Best overall design

Design making tools - made Fraser

Thursday
12:00

- Setup - GT Suite - Show GT model

Simulation - Validation screens

Known variables

Further research

R. Hunter

Foray Thesis

- Track program

what model for comb for
Jeremy Shure

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4/11/17

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PROPRIETARY INFORMATION

TITLE

Jean neffy

PROJECT

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Slide 1

Race course focused
Optimized race design

What do they call
Race course - Circuit

Slide 2 Table of contents / Project objectives

- need sketch of what we

- what is essence of our plan

3-4 Power

Track based ~~off~~
Lap time + Fuel consumption

Eng. & driver ~~what to find~~

- Valves - Duration Lift Type timing

~~exhaust intake~~

Intake - run in low vol

~~Throttle~~ 2 intake unregulated

Grapher

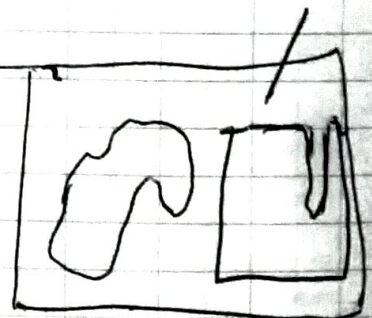
Slide - 2 Tracks Tk + Astun
side by side

- next slide show data

Next is Data used for design

Fuel used was -

call data in excel
Track time was -



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DATE

9/15/17

PROPRIETARY INFORMATION

TITLE

Learn ready

PROJECT

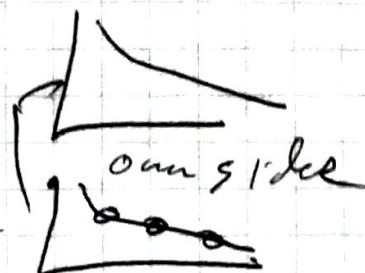
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Net Value

Final unit

Lat Time / fuel
Pinto burn

2.06



Conchion fuel - use glass super

Pinto burn of Lat time vs fuel

Topology of how engines work together

label farmer
show even work in

Excel → TK solver Photoshop after last

Consume needed for each

- higher pinto burner

Gather for Plate - odan Thome / P. dy

Slide

Just 6+

Engine

Exhaust Intake Valves

4 slides worth

what number adjusted

How used valves

Valves - Redwood represent weight

Tools

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4/15/17

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PROPRIETARY INFORMATION

TITLE

Learn necessary cool

PROJECT

Continued from page

Review

Time

- Place Torque hp
BSFC

Performs
Money

Overall vol chd w/ BSFC

Review - Track show

- Jerry show next xbr

- V+

- Mustang show

TOP 5

Need show w/ Drag

- Specs are

- Cam Page Assurances used for truck

- corner speed

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4-15-17

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PROPRIETARY INFORMATION

Final Formula

Meeting Minutes – April 22nd, 2017

Attendees:

Dr. Edwin Odom

Dr. Steve Beyerlein

Bill Duncan

Brian Remsen

Dylan Johann

David Pick II

1. Further analysis of presentation progress
2. Discussion on how to improve the visual impact of the presentation

TITLE

Jean newly

PROJECT

Continued from page

Table of contents
need - Zing!

Tracker

Austin Grad R.x in Black

of simulated motorcycle surfaces

Surface of simulated motorcycle

How to label axis for fuel gauge

rate for the unit, longer

rate of turn/sec

or Centiliter red amount to - Liter

change in gradient

Should be 0 for gauge

Bigger axis

Consistent to baseline upon pressure

increasing pulsation of baseline power

just to range of look at table

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4/25

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PROPRIETARY INFORMATION

TITLE

2 cm nets ctd

PROJECT

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last make/ chart candle
to locked take rage

- Shipy process - beating of force
and or unacceptably force come

- being a correct thing before take over in
the of her

Engine output force constant

Values/constant select from from
Amplitude

descent model on former slide

Exhaust/Port 1

Gas image of exhaust on it

Let's use given used in get model
inspired so reduce rods in sign model
Porting name - PDC height

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4/26

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PROPRIETARY INFORMATION

TITLE *Len new cdd*

PROJECT

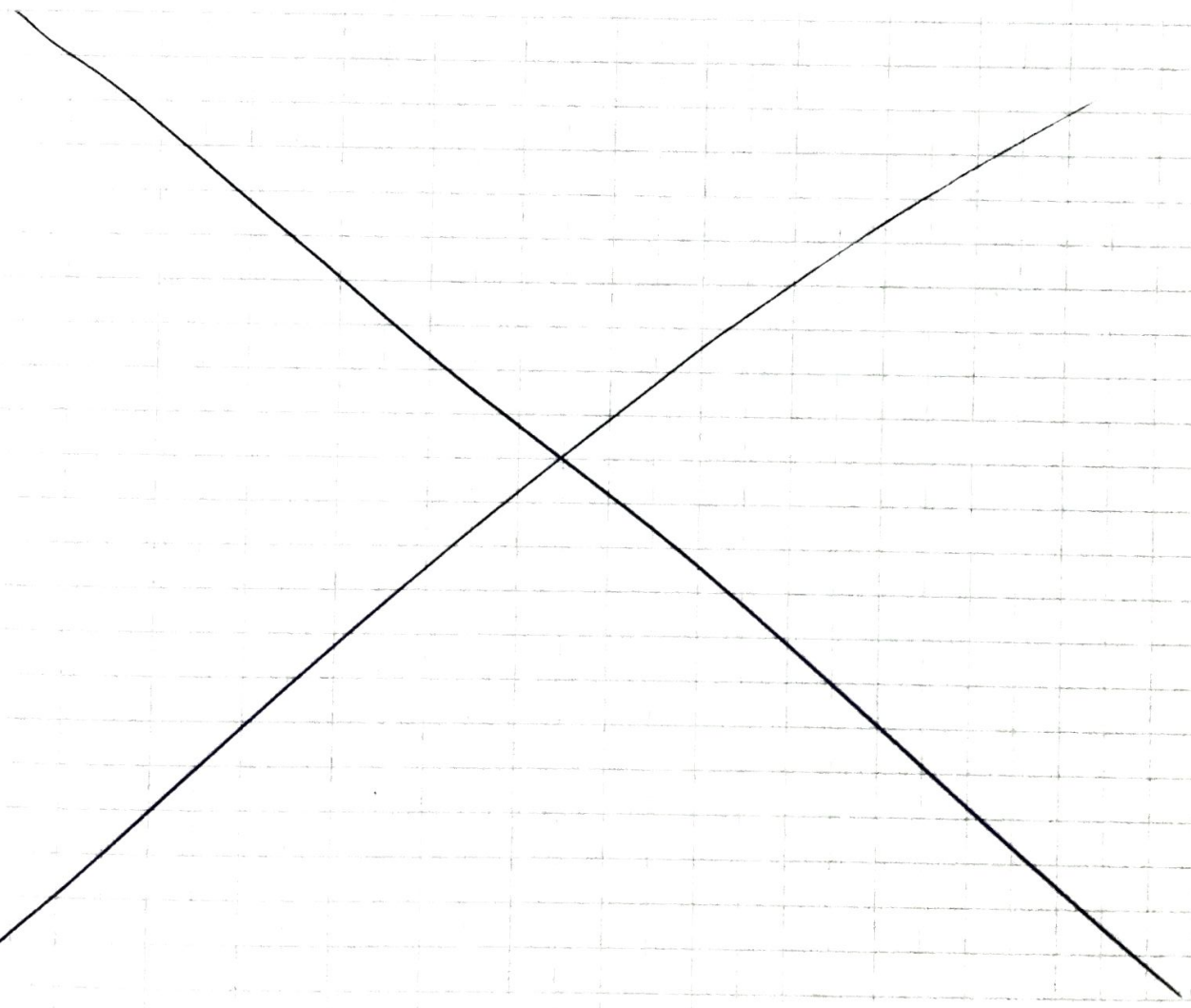
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Case 2 - Refuse for packing & down
for down air manufacturing

2:30 cablo room Thursday

1/2 hr do not talk more than 15 min

atula 8



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DATE

4/25

PROPRIETARY INFORMATION

TITLE

Jean neef

PROJECT

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Slide refer -

4/27

- Model F power controller

for 2000000000

Need to have cut broken link

Rather than simply focus on speed and power
maneuverability of the robot was taken into consideration

The final design employed a mechanical Super Ball
robot so as to reduce engine - robot friction.

Constraint problems that lowered maneuverability
were chosen from the

"The robot design is the heart of any system"

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4/27

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PROPRIETARY INFORMATION

Final Formula

Meeting Agenda – April 29th, 2017

Attendees:

Dr. Edwin Odom

Dr. Steve Beyerlein

Bill Duncan

Brian Remsen

Dylan Johann

1. Compile and edit report deliverable for Esteco
 - a. Combine separate paper portions to form final deliverable

TITLE

Lean method

PROJECT

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Niki Page

Existing - Preliminary research

Final Product

- *Track*
- *Valuetrain*
- *GT model*
- *Optimization*

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5-2

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PROPRIETARY INFORMATION